

## CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

- Sub A5*
1. A method of operating a data processing system to control user access to a plurality of resources, said method including the steps of
    - 4      editing a list of resources,
    - 5      editing a list of profiles, each said profile containing a designation of at least one of said resources, and
    - 8      editing a list of users to add or delete a profile for a user, said list of users including, for each listed user, a userID by which the user can be authenticated.
  - 1      2. A method as recited in claim 1, wherein all of said editing steps are performed under supervision of an administrator to the exclusion of users.
  - 1      2. A method as recited in claim 1, including the further step of
    - 3      authorizing access of each user to selected resources included in said resource list in accordance with contents of profiles in said list of profiles which are associated with each user in said list of users.

1       4. A method as recited in claim 3, wherein said  
2 authorizing step is performed upon detection of a  
3 said editing step.

1       5. A method as recited in claim 4, wherein said  
2 detection is performed by comparison of said lists  
3 of users, profiles and resources with prior lists of  
4 users, profiles and resources.

1       6. A method as recited in claim 3, including the  
2 further steps of

3             authenticating a user in accordance with said  
4 userID, and  
5             providing access to a resource, authorized by  
6 said authorizing step, which is selected by said  
7 user authenticated in said authenticating step.

1       7. A method as recited in claim 4, including the  
2 further steps of

3             authenticating a user in accordance with said  
4 userID, and  
5             providing access to a resource, authorized by  
6 said authorizing step, which is selected by said  
7 user authenticated in said authenticating step.

1       8. A method as recited in claim 5, including the  
2 further steps of

3             authenticating a user in accordance with said  
4 userID, and

5             providing access to a resource, authorized by  
6 said authorizing step, which is selected by said  
7 user authenticated in said authenticating step.

1       9. A method as recited in claim 2, including the  
2 further step of

3             authorizing access of each user to selected  
4 resources included in said resource list in  
5 accordance with contents of profiles in said list of  
6 profiles which are associated with each user in said  
7 list of users.

1       10. A method as recited in claim 9, wherein said  
2 authorizing step is performed upon detection of an  
3 editing step.

1       11. A method as recited in claim 10, wherein  
2 detection of an editing step is performed by  
3 comparison of said lists of users, profiles and  
4 resources with prior lists of users, profiles and  
5 resources.

1       12. A method as recited in claim 9, including the  
2       further steps of

3             authenticating a user in accordance with said  
4       userID, and

5             providing access to a resource, authorized by  
6       said authorizing step, which is selected by said  
7       user authenticated in said authenticating step.

1       13. A method as recited in claim 10, including the  
2       further steps of

3             authenticating a user in accordance with said  
4       userID, and

5             providing access to a resource, authorized by  
6       said authorizing step, which is selected by said  
7       user authenticated in said authenticating step.

1       14. A method as recited in claim 11, including the  
2       further steps of

3             authenticating a user in accordance with said  
4       userID, and

5             providing access to a resource, authorized by  
6       said authorizing step, which is selected by said  
7       user authenticated in said authenticating step.

1       15. A method as recited in claim 1, including the  
2       further step of

3             deleting a resource from all profiles  
4             specifying a resource to be deleted from said  
5             resource list during said step of editing said list  
6       of resources.

1       16. A method as recited in claim 1, including the  
2       further step of  
3             deleting a profile from all users in said list  
4       of users for which a profile to be deleted from said  
5       profile list is specified during said step of  
6       editing said list of profiles.

1       17. A data processing system having a plurality of  
2       available resources, said system including  
3             a server,  
4             means for controlling access to said resources,  
5       said means for controlling access to said resources  
6       including a list of said resources, a list of  
7       profiles, each profile corresponding to a said  
8       resource, and a list of users containing information  
9       for authenticating a user and a profile  
10      corresponding to said user, and  
11      means for providing communication between a  
12      user and said server.

1       18. A system as recited in claim 17, further  
2       including  
3             means for editing any of said list of users,  
4       said list of profiles and said list of resources.

1       19. A system as recited in claim 18, further  
2       including  
3             means for detecting editing of any of said list  
4       of users, said list of profiles and said list of  
5       resources.

1       20. A system as recited in claim 17, further  
2       including

3               means for authorizing user access to selected  
4       ones of said resources in accordance with said  
5       profiles in said list of profiles and said users in  
6       said list of users.

1       21. A system as recited in claim 19, further  
2       including

3               means for authorizing user access to selected  
4       ones of said resources in accordance with said  
5       profiles in said list of profiles and said users in  
6       said list of users responsive to said means for  
7       detecting editing.

1       22. A system as recited in claim 17, further  
2       including

3               means for authenticating a user upon access by  
4       said user to said server.

1       23. A system as recited in claim 22, further  
2       including

3               means for directing a user authenticated by  
4       said means for authenticating a user to a resource  
5       to which access of that user has been authorized by  
6       said authorizing means.

1       24. A system as recited in claim 23, wherein said  
2       means for directing is responsive to location or  
3       path data contained in said list of resources.

1       25. A system as recited in claim 24, wherein said  
2       path or address data is a URL.

1       26. A system as recited in claim 17, further  
2       including

3               means for deleting a resource from all profiles  
4       specifying a resource to be deleted from said  
5       resource list.

1       27. A system as recited in claim 17, further  
2       including

3               means for deleting a profile from all users in  
4       said list of users for which a profile to be deleted  
5       from said profile list is specified.

1       28. A computer readable medium containing code for  
2       operating a data processing system to control user  
3       access to a plurality of resources, said code  
4       implementing the steps of

5               editing a list of resources,

6               editing a list of profiles, each said profile  
7       containing a designation of at least one of said  
8       resources, and

9               editing a list of users to add or delete a  
10      profile for a user, said list of users including,  
11      for each listed user, a userID by which the user can  
12      be authenticated.

1       29. A computer readable medium as recited in claim  
2       28, wherein said code requires all of said editing  
3       steps to be performed under supervision of an  
4       administrator to the exclusion of users.

1       30. A computer readable medium as recited in claim  
2       28, further including code for implementing a step  
3       of

4                 authorizing access of each user to selected  
5       resources included in said resource list in  
6       accordance with contents of profiles in said list of  
7       profiles which are associated with each user in said  
8       list of users.

1       31. A computer readable medium as recited in claim  
2       30, wherein a code section implementing said  
3       authorizing step is executed upon detection of a  
4       said editing step.

1       32. A computer readable medium as recited in claim  
2       31, wherein a code section performing said detection  
3       compares said lists of users, profiles and resources  
4       with prior lists of users, profiles and resources.

1       33. A computer readable medium as recited in claim  
2       30, further including code for implementing the  
3       steps of

4                 authenticating a user in accordance with said  
5       userID, and

6                 providing access to a resource, authorized by  
7       said authorizing step, which is selected by said  
8       user authenticated in said authenticating step.

1       34. A computer readable medium as recited in claim  
2       33, wherein said code implementing said detection of  
3       an editing step compares said lists of users,  
4       profiles and resources with prior lists of users,  
5       profiles and resources.

1       35. A computer readable medium as recited in claim  
2       34, further including code implementing the further  
3       steps of

4                 authenticating a user in accordance with said  
5       userID, and

6                 providing access to a resource, authorized by  
7       said authorizing step, which is selected by said  
8       user authenticated in said authenticating step.

1       36. A computer readable medium as recited in claim  
2       28, further including code for implementing a step  
3       of

4                 deleting a resource from all profiles  
5       specifying a resource to be deleted from said  
6       resource list during said step of editing said list  
7       of resources.

1       37. A computer readable medium as recited in claim  
2       28, further including code for implementing a step  
3       of

4                 deleting a profile from all users in said list  
5       of users for which a profile to be deleted from said  
6       profile list is specified during said step of  
7       editing said list of profiles.